

STATEMENT OF WORK
TEST CELL #1 CRANE UPGRADE

The contractor shall provide and material and services to upgrade the existing Crane in Test Cell #1 in Building 87 (Crane AE 26) be upgraded from its current rating of 20 tons to a new rating of 29 tons to accommodate upcoming work. This work will require the removal of the existing crane trolley. The existing trolley will be replaced with a new trolley that can accommodate the new 29-ton rating. The new trolley must allow a vertical lift of at least 24'-11" and must be able to move at variable speeds up to 45 fpm. In addition, the trolley must have variable hoisting speeds with a maximum speed of 9 fpm. The hoist installed must have brakes, and the hoist should utilize the existing 20 hp Vector duty motor and Flux Vector drive. The trolley should be powered by a ¾ hp motor. All motors must have mechanical and electrical overload protections. The power supply to the motors shall be 460 V, three phase, 60 cycles AC power. The control circuits that control the trolley should be power by 115 V AC and should be full magnetic in a NEMA 12 enclosure. An upper and lower limit switch should be included. Technical manuals shall be provided for the new trolley.

In addition to the replacement of the trolley, the contractor shall upgrade the steel support girders for the Crane. This shall be accomplished by welding a ¼" x 8" x 73' steel plate to the top girder plate and a ¼" x 8" x 50' steel plate to the bottom girder plate.

All work shall be performed Monday through Friday between the hours of 8:00 am and 5:00 pm, except on Federal holidays, at the Naval Surface Warfare Center, Carderock Division (NSWCCD), Philadelphia, PA. All contractor personnel will be responsible for obtaining visitor badges each morning before work can commence. The Government will provide electrical power and clear access to the site.